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Modified Form 1449/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number	09/556,246
Filing Date	April 24, 2000
First Named Inventor	Gregory D. Jay
Group Art Unit	1633
Examiner Name	J. Kerr
Attorney Docket Number	21486-026 CIP

## U.S. PATENT DOCUMENTS

Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
Rm ✓	AA	2,487,377	11/08/49	Roehner et al.	252	42.11	
Rm ✓	AB	2,734,862	02/14/56	Morway et al.	252	14	
Rm ✓	AC	2,878,184	03/17/59	March et al.	252	15	
Rm ✓	AD	4,108,849	08/22/78	Thomas	260	122	
Rm ✓	AE	4,438,100	03/20/84	Balslev et al.	424	104	
Rm ✓	AF	5,260,417	11/9/93	Grant et al.	530	351	

## FOREIGN PATENT DOCUMENTS

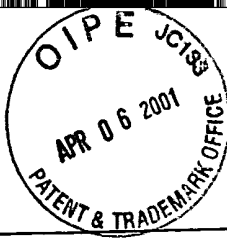
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Applicant	Date of Publication	Translation Yes No
Rm ✓		PCT WO 92/13075	Genetics Institute, Inc.	August 6, 1992	

## OTHER NON PATENT LITERATURE DOCUMENTS

Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
Rm ✓	CA	Aydelotte et al. (1992) "Heterogeneity of Articular Chondrocytes", <i>Articular Cartilage and Osteoarthritis</i> , Raven Press Ltd., New York, pp. 237-249.
Rm ✓	CB	J.P. Caron (1992) "Understanding the Pathogenesis of Equine Osteoarthritis", <i>Br. Vet. J.</i> USA, Vol. 148, pp. 369-371.
Rm ✓	CC	Flannery et al. (1999) "Articular Cartilage Superficial Zone Protein (SZP) is Homologous to Megakaryocyte Stimulating Factor Precursor and is a Multifunctional Proteoglycan with Potential Growth-Promoting, Cytoprotective, and Lubricating Properties in Cartilage Metabolism", <i>Biochemical and Biophysical Communications</i> , Vol. 254, pp. 535-541.
Rm ✓	CD	Garg et al (1979) "The Structure of the O-Glycosylally-linked Oligosaccharide Chains of LPG-I, A Glycoprotein Present in Articular Lubricating Fraction of Bovine Synovial Fluid" <i>Carbohydrate Research</i> , Vol. 78, pp. 79-88.
Rm ✓	CE	Jay (1992) "Characterization of a Bovine Synovial Fluid Lubricating Factor. I. Chemical, Surface Activity and Lubricating Properties" <i>Connective Tissue Research</i> , Vol. 28, pp. 71-88
Rm ✓	CF	Jay et al. (1992) "Characterization of a Bovine Synovial Fluid Lubricating Factor. II. Comparison with Purified Ocular and Salivary Mucin" <i>Connective Tissue Research</i> , Vol. 28, pp. 89-98.
Rm ✓	CG	Jay et al. (1992) "Characterization of a Bovine Synovial Fluid Lubricating Factor. III. The Interaction with Hyaluronic Acid" <i>Connective Tissue Research</i> , Vol. 28, pp. 245-255.
Rm ✓	CH	Jay et al. (1990) "Silver Staining of Extensively Glycosylated Proteins on Sodium Dodecyl Sulfate-Polyacrylamide Gels: Enhancement by Carbohydrate-Binding Dyes", <i>Analytical Biochemistry</i> , Vol. 185, pp. 324-330.
Examiner Signature	RITA MITRA	
Date Considered	5/16/02	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

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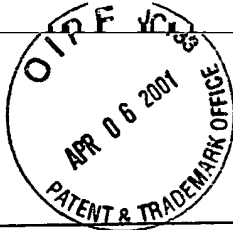


Modified Form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Application Number</b>	09/298,970
	<b>Filing Date</b>	April 23, 1999
	<b>First Named Inventor</b>	Gregory D. Jay
	<b>Group Art Unit</b>	1633
	<b>Examiner Name</b>	J.Kerr
	<b>Attorney Docket Number</b>	21486-026

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
Rm ✓	AG	5,326,558	07/05/94	Turner et al.	424	85.1	
Rm ✓	AH	5,510,121	04/23/96	Rhee et al.	424	520	
Rm ✓	AI	5,510,122	4/23/96	Sreebny et al.	424	537	
Rm ✓	AJ	5,515,590	05/14/96	Pienkowski	29	404	
Rm ✓	AK	5,612,028	03/18/97	Sackier et al.	424	93.7	
Rm ✓	AL	5,639,796	06/17/97	Lee	514	773	
Rm ✓	AM	5,702,456	12/30/97	Pienkowski	623	18	
Rm ✓	AN	5,709,020	01/20/98	Pienkowski et al.	427	2.26	

OTHER NON PATENT LITERATURE DOCUMENTS			
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.	
Rm ✓	CI	Jay et al. (1998) "Comparison of the Boundary-Lubricating Ability of Bovine Synovial Fluid, Lubricin, and Healon", J Biomed Mater Res, Vol. 40, pp. 414-418.	
Rm ✓	CJ	Jay (1990), "Joint Lubrication: A Physicochemical Study of a Purified Lubrication Factor from Bovine Synovial Fluid", Thesis, Degree of Doctor of Philosophy, Basis Health Sciences (Cellular and Molecular Pathology), State University of New York.	
Rm ✓	CK	Jay et al. (2000) "Lubricin is a product of megakaryocyte stimulating factor gene expression by human synovial fibroblasts", J. Rheumatology, Vol. 27, No. 3, pp. 594-600.	
Rm ✓	CL	Lorenzo et al. (1998) "A Novel Catilage Protein (CILP) Present in the Mid-zone of Human Articular Cartilage Increases with Age", J of Biological Chemistry, Vol. 273, No. 36, pp. 23463-23468.	
Rm ✓	CM	Lorenzo et al. (1998) "Cloning and Deduced Amino Acid Sequence of a Novel Cartilage Protein (CILP) Identifies a Proform Including a Nucleotide Pyrophosphohydrolase", J of Biological Chemistry, Vol. 273, No. 36, pp. 23469-23475.	
Rm ✓	CN	Merberg et al. (1993) "A Comparison of Vitronectin and Megakaryocyte Stimulating Factor", Elsevier Science Publishers, B.V., pp. 45-53.	
Rm ✓	CO	Merberg et al. (1997) "Megakaryocyte Stimulating Factor", EMBL Sequence Database XP002152061.	
Rm ✓	CP	Merberg et al. (1997) "Human Megakaryocyte Stimulating Factor mRNA, complete cds", EMBL Sequence Database XP002152062.	
Rm ✓	CQ	Schumacher et al. (1999) "Immunodetection and Partial cDNA Sequence of the Proteoglycan, Superficial Zone Protein, Synthesized by Cells Lining Synovial Joints", J Orthopaedic Research, Vol. 17, pp. 110-121. 1'20	
Rm ✓	CR	Schumacher et al. (1994) "A Novel Proteoglycan Synthesized and Secreted by Chondrocytes of the Superficial Zone of Articular Cartilage", Archives of Biochemistry and Biophysics, Vol. 311, pp. 144-152.	
Rm ✓	CS	Swann et al. (1985) "The Molecular Structure and Lubricating Activity of Lubricin Isolated from Bovine and Human Synovial Fluids", Biochem J, Vol. 225, pp. 195-201.	
Examiner Signature		RITA MITRA	Date Considered 5/16/02

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		<b>Examiner Name</b>	J. Kerr	
		<b>Attorney Docket Number</b>	21486-026 CIP	
<b>OTHER NON PATENT LITERATURE DOCUMENTS</b>				
<b>Exam Initials</b>	<b>Cite No.</b>	<b>Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.</b>		
Rm✓	CT	Swann et al. (1981) "The Molecular Structure of Lubricating Glycoprotein-I, the Boundary Lubricant for Articular Cartilage", <i>J. Biological Chemistry</i> , Vol. 256, No. 11, pp. 5921-5925.		
Rm✓	CU	Turner et al. (1991) "Purification, Biochemical Characterization, and Cloning of a Novel Megakaryocyte Stimulating Factor that has Megakaryocyte Colony Stimulating Activity", <i>Blood</i> , Vol. 78 (Suppl. 1), pp. 279		
Y	CV	Higaki et al. (1995) "Role of Constituents in Synovial-Fluid and Surface-Layer of Articular Cartilage in Joint Lubrication. 2. The Boundary Lubricating Ability of Protein" <i>Journal of Japanese Society of Tribologists</i> , Vol. 40, N7, pp. 598-604.		
<b>Examiner Signature</b>		RITA MITRA	<b>Date Considered</b>	5/16/02

Japanese  
Language

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